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Application Number	10806573
Filing Date	2004-03-22
First Named Inventor	Anat Blumenfeld
Art Unit	1634
Examiner Name	Carla J. Myers
Attorney Docket Number	13572-105040US5

## **U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5998133		1999-12-07	Blumenfeld et al.	All
	2	6262250		2001-07-17	Blumenfeld et al.	All
	3	5597898		1997-01-28	Ghosh	All
	4	0168656		2002-11-14	Rubin et al.	All
	5	60262284		2001-01-17	Rubin et al.	All
	6	5891719		1999-04-06	Cohen et al.	All
	7	5968740		1999-10-19	Fodor et al.	All
	8	5367506		1995-02-07	Blumenfeld	All

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**U.S. PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20020168656		2002-11-14	Rubin et al.	All
	2	20030092019		2003-05-15	Meyer et al.	All

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**FOREIGN PATENT DOCUMENTS**

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	1	99/25730	WO		1999-05-27			<input type="checkbox"/>
	2	1225232	EP		2002-07-24			<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	Mull et al., "Isolation and Characterization of a Novel Human Transcript in the Familial Dysautonomia Candidate Region on Human Chromosome 9q31," Am. J. Human Genetics, 65(4) A37, October 1999	<input type="checkbox"/>
	2	Gill et al., "Genomic Structure and Localization of the IKBKAP Gene to the Familial Dysautonomia Candidate Region on 9q31," Am. J. Human Genetics, 65(4) A186, October 1999	<input type="checkbox"/>

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3	Gill et al., "Survey of Ashkenazi Jewish SNPs in a 471 kb Region of Chromosome 9q31 as Compared to the Public SNP Database (dbSNP)," The American Journal of Human Genetics, vol. 69, no. 4, October 2001	<input type="checkbox"/>
4	Slaugenhaupt et al., "Characterization of the Spicing Mutation in IKBKAP that Causes Familial Dysautonomia," The American Journal of Human Genetics, A2763, vol. 69, no. 4, October 2001	<input type="checkbox"/>
5	Leyne et al., "Complete Genomic Sequence of the 471 kb Familial Dysautonomia Candidate Region on Chromosome 9q31," The American Journal of Human Genetics, vol. 65, no. 4, October 1999	<input type="checkbox"/>
6	Slaugenhaupt et al., "Saturation of the Genetic Map and Expansion of the Physical Map Surrounding the Familial Dysautonomia Gene on Human Chromosome 9," Annals of Human Genetics, vol. 61, part 3, p.223, May 1997	<input type="checkbox"/>
7	Blumenfeld et al., "Carrier Diagnosis of Familial Dysautonomia Using Linkage Disequilibrium Analysis," The American Journal of Human Genetics, vol. 59, no. 4, October 1996	<input type="checkbox"/>
8	Slaugenhaupt et al., "Refinement of the Candidate Region and Isolation of Candidate Genes for Familial Dysautonomia on Human Chromosome 9q31," The American Journal of Human Genetics, vol. 59, no. 4, October 1996	<input type="checkbox"/>
9	Leyne et al., "Analysis and Complete Genomic Sequence of the Refined 178 kb Familial Dysautonomia Candidate Region Chromosome 9q31," The American Journal of Human Genetics, vol. 67, no. 4, October 2000	<input type="checkbox"/>
10	Blumenfeld et al., "Localization of the Gene for Familial Dysautonomia on Chromosome 9 and Definition of DNA Markers for Genetic Diagnosis," Nature Genetics, vol. 4, pp.160-164, June 1993	<input type="checkbox"/>
11	Eng et al., "Prenatal Diagnosis of Familial Dysautonomia by Analysis of Linked CA-Repeat Polymorphisms on Chromosome 9q31-q33," American Journal of Medical Genetics, vol 59, pp.349-355, 1995	<input type="checkbox"/>
12	Blumenfeld et al., "Precise Genetic Mapping and Haplotype Analysis of the Familial Dysautonomia Gene on Human Chromosome 9q31," American Journal of Medical Genetics, vol. 64, pp. 1110-1118, 1999	<input type="checkbox"/>
13	Chadwick et al., "Cloning, Mapping, and Expression of a Novel Brain-Specific Transcript in the Familial Dysautonomia Candidate Region on Chromosome 9q31," Mammalian Genome, vol. 11, pp. 81-83, 2000	<input type="checkbox"/>

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14	Gusella., James F. "Mechanism of Familial Dysautonomia," CRISP abstract for grant application to the National Institute of Neurological Disorders and Stroke, Project Start : April 15, 1997. Accompanying grant application included.	<input type="checkbox"/>
15	Complaint for Civil Action no. 06 CV 6443, August 25, 2006	<input type="checkbox"/>
16	Notice of Voluntary Dismissal of Civil Action no. 06 CV 6443, December 26, 2006	<input type="checkbox"/>
17	Boehringer Mannheim, Biochemicals for Molecular Biology, 1995, page 136	<input type="checkbox"/>
18	S. L. Anderson, et al., "Familial Dysautonomia is Caused by Mutations of the IKAP Gene," Am J. Hum. Genet, 68:753-758, 2001	<input type="checkbox"/>
19	L. Cohen et al., "IKAP is a Scaffold Protein of the IB Kinase Complex," Nature, 395:292-296, September 17, 1998	<input type="checkbox"/>
20	Slaugenhaupt et al., "Tissue-Specific Express of a Splicing Mutation in the IKBKAP Gene Causes Familial Dysautonomia," Am. J. Hum. Genet., 68:598-605, 2001	<input type="checkbox"/>
21	Slaugenhaupt et al., Database EMBL "Online! EBI; "Homo sapiens IkappaBkinase Complex-Associated Protein (IKBKAP) mRNA," retrieved from <a href="http://www.EBI.AC.UK">http://www.EBI.AC.UK</a> , Database Accession no. AF153419, January 2, 2001, updated February 28, 2001	<input type="checkbox"/>
22	Gill et al., NCBI Database, National Library of Medicine, NIH. GenBan Accession No. AF153419, January 2, 2001	<input type="checkbox"/>
23	Takeoka et al., "Amino Acid Substitutions in the IKAP gene Product significantly increase risk for bronchial Asthma in Children," J. Hum. Genet., 46(2):57-63, 2001	<input type="checkbox"/>
24	Krappmann et al., "The I kappa B Kinase (IKK) Complex is Tripartite and Contains IKK Gamma but not IKAP as a Regular Component," J. Bio. Chem., 275(38):29779-87, September 22, 2000	<input type="checkbox"/>

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25	Dong et al., "Familial Dysautonomia: Detection of the IKAP IVS20(+6T-C) and R696P Mutations and Frequencies among Ashkenazi Jew," Am. J. Med. Genet., 110(3):253-7, July 1, 2002	<input type="checkbox"/>
26	Cuajungco, "Cloning characterization, and Genomic Structure of the mouse Ikbkap Gene, DNA Cell Biol., 20 (9):579-86, September 2001	<input type="checkbox"/>
27	Cuajungco et al., Society for Neuroscience Abstracts, 27(2), p. 2061, November 10-15, 2001	<input type="checkbox"/>
28	Leyne et al., Am. J. Med. Genetics, vol. 118A, pp. 305-308, 2003	<input type="checkbox"/>
29	Demacio et al., Genome, vol. 44, pp. 990-994, 2001	<input type="checkbox"/>
30	Hirschhorn et al., Genetics in Medicine, vol. 4, no. 2, pp. 45-61, March 2002	<input type="checkbox"/>
31	Ioannidis, Nature Genetics, vol. 29, pp. 306-309, November 2001	<input type="checkbox"/>
32	Oddoux et al., Prenatal Diagnosis, vol. 15, pp. 817-826, 1995	<input type="checkbox"/>

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